

Claims

1. Method for displaying data of a machine control system:
receiving status data for at least one element of the system, which
represent at least one physical state variable;
representing the status data which have been received for the element;
representing a control diagram, which displays, at least for the element,
the electrical connection of the element in the system;
where the representation of the status data which have been received
for the element occurs in the represented circuit diagram.
2. Method according to Claim 1, where the representation of the circuit
diagram occurs using a characterization, which has been stored for the element, and
associated connection data, which represent the electrical connection of the element
in the system.
3. Method according to Claim 2, where the characterization allows the
association of the element with its status data.
4. Method according to one of Claims 1-3, where the status data are
displayed at or on the represented element in the wiring diagram.
5. Method according to one of Claims 1-4, where the step of the receiving
the status data also comprises an identification of elements, which are to be
represented in the circuit diagram, where the representation of the status data for the
identified elements occurs.
6. Method according to one of Claims 1-5, where, in response to user
input, which establishes a preset value for the represented status data, the preset
value is set as value for the corresponding state variable in the machine control
system.
7. Method according to one of Claims 1-6, where corresponding target
values are displayed with the status data for the element.

8. Method according to one of Claims 1-7, where corresponding limit values are displayed with the status data for the element.
9. Method according to one of Claims 1-8, where previous status data for the element are represented, which indicate at least one previous value for the state variable.
10. Device which is adapted for carrying out a method according to one of Claims 1-9 for the machine control system.
11. Device according to Claim 10, where the device is a mobile end device, which is used for the startup process, maintenance or error diagnosis of the machine control system.
12. A system comprising the device according to Claim 10 or 11 and the machine control system.